Elements and their properties

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| Name of element | State of matter at room temperature | Color | Density | Magnetic | Solubility | Does it burn? |
| Calcium (Ca) | solid | Silvery | 1.55 g/cm3 | No | In water | Yes, orange-red |
| Aluminium (Al) | Solid | Silvery white | 2.70 g/cm3 | No | No | At very high temperatures |
| Sodium (Na) | Solid | Silvery metallic | 0.97 g/cm3 |  | In water | Yes, yellow |
| Helium (He) | Gas | Colorless | 0.17 g/l | NA | NA | No |
| Carbon (C) | Solid when in graphite or diamond form | Graphite – black  Diamond - clear | 3.51 g/cm3 | No | No | No |
| Magnesium (Mg) | Solid | silvery | 1.74 g/cm3 | No | In Hydrochloric acid (HCl) | Yes, white |
| Chlorine (Cl) | Gas | Yellow-green | 2.95 g/l | NA | In water | No |
| Zinc (Zn) | Solid | Bluish-white | 7.14 g/cm3 | No | In HCl | Yes, green |
| Iron (Fe) | Solid | Gray | 7.87 g/cm3 | Yes | In HCl | No |
| Oxygen (O) | Gas | Pale blue | 1.33 g/l | NA | In water | No |
| Mercury (Hg) | Liquid | Silvery-white | 13.53 g/cm3 | NA | In nitric acid | No |